

CLAIMS

What is claimed is:

1. ~~An electronic device comprising:~~
- ~~a housing to enable the device to be docked into a notebook computer;~~
 - ~~an interface disposed on a surface of the housing to enable~~
 - ~~communication between the device and the notebook computer when~~
 - ~~the device is docked; and~~
 - ~~a processor to operate as a system processor of the notebook computer~~
 - ~~when the device is docked and to operate as a system processor of~~
 - ~~the device when the device is undocked.~~
2. The electronic device of claim 1, further comprising an input controller to receive input data into the device when the device is undocked.
3. The electronic device of claim 2, further comprising core memory to store the input data when the device is undocked.
4. The electronic device of claim 3, further comprising an output controller to provide output data from the device when the device is undocked.
5. The electronic device of claim 4, further comprising a visual display disposed on a surface of the housing, the visual display being coupled to the input controller to provide the input data via pen-based entries on the display and

4 ~~being coupled to the output controller to provide the output data via the~~
5 display.

1 6. The electronic device of claim 1, further comprising core memory having
2 stored thereon a mini operating system.

1 7. The electronic device of claim 1, further comprising a battery to provide
2 power to the processor when the electronic device is undocked.

1 8. The electronic device of claim 7, wherein the interface is coupled to the
2 battery to charge the battery when the electronic device is docked.

1 9. The electronic device of claim 8, wherein the notebook computer is to provide
2 power to the processor when the electronic device is docked.

1 10. The electronic device of claim 9, wherein the processor is to operate at a
2 higher frequency and at a higher voltage when the device is docked than
3 when the device is undocked.

1 11. The electronic device of claim 1, wherein the processor is to operate at a
2 higher frequency and at a higher voltage when the device is docked than
3 when the device is undocked.

1 12. ~~A base computer comprising:~~
2 a docking port to receive a hand-held core computer having a processor
3 to operate as a system processor of the base computer when the
4 device is docked and to operate as a system processor of the core
5 computer when the device is undocked; and
6 an interface in the docking port to enable communication between the
7 core computer and the base computer when the core computer is
8 docked.

1 13. The base computer of claim 12, further comprising base memory having
2 stored thereon a full operating system, the core computer comprising core
3 memory having stored thereon a mini operating system.

1 14. The base computer of claim 12, wherein the interface is to couple a power
2 supply of the base computer to a battery in the core computer to charge the
3 battery and to provide power to the processor when the core computer is
4 docked.

1 15. The base computer of claim 14, wherein the processor is to operate at a
2 higher frequency and at a higher voltage when the processor operates as a
3 system processor of the base computer than when the processor operates as
4 a system processor of the core computer.

1 16. ~~The base computer of claim 12, wherein the processor is to operate in one of~~
2 a high power mode and a low power mode according to user preference.

1 17. A method of operating a computer system comprising:
2 operating a processor as a system processor of a notebook computer
3 when a core computer is docked in a docking port of the notebook
4 computer; and
5 operating the processor as a system processor of the core computer
6 when the core computer is undocked.

1 18. The method of claim 17, further comprising synchronizing memory of the
2 notebook computer with memory of the core computer when the core
3 computer is docked.

1 19. The method of claim 17, further comprising charging a battery in the core
2 computer when the core computer is docked.

1 20. The method of claim 17, wherein operating the processor as a system
2 processor of the notebook computer includes operating the processor at a
3 higher frequency and voltage than when operating the processor as a system
4 processor of the core computer.

